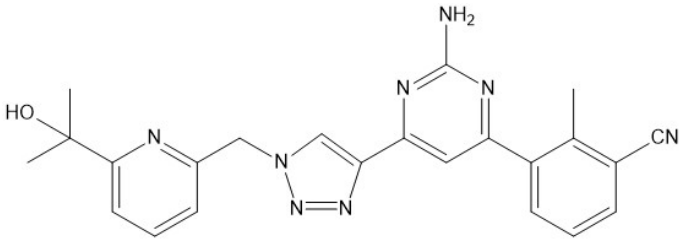
Tribioscience

Etrumadenant, Dual A2AR/A2BR antagonist

Catalog	Unit
TBI4091-5MG	5 mg
TBI4091-25MG	25 mg

Product Details

Formal Name: 3-[2-Amino-6-[1-[[6-(2-hydroxypropan-2-yl)-2-pyridinyl]methyl]triazol-4-yl]pyrimidin-4-yl]-2-methylbenzonitrile
Alternate Names: AB928
Molecular Formula: $C_{23}H_{22}N_8O$
Formula Weight: 426.5
CAS Number: 2239273-34-6
Purity: >98%
Formulation: Powder
Solubility: Soluble in DMSO (up to at least 50 mg/ml)
Storage: -20°C
Stability: ≥ 2 years.



Applications

Dual A2AR/A2BR antagonist

Functions

A potent dual adenosine receptor antagonist (Ki: A2AR = 1.5 nM; A2BR = 2.0 nM). It blocked immunosuppressive signaling and increased cytokine secretion and proliferation in CAR T cells. Etrumadenant acted syntergistically with epirubicin and a nanomedicine formulation to reverse adenosine-mediated immunosuppression in a triple negative breast cancer model.

Application Procedures

First dissolved in DMSO (up to at least 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.